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(54) DIELECTRIC CERAMICS COMPOSITION AND ELECTRONIC PARTS

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a dielectric ceramics compsn. capable of firing together with a conductor metal such as Ag or Cu while maintaining high Q value and to provide electronic parts.

SOLUTION: A boron-contg. compd. and an alkali metal-contg. compd. are added by 7-30 pts.wt. (expressed in terms of B₂O₃) and 7-20 pts.wt. (expressed in terms of carbonate of the alkali metal), respectively, to 100 pts.wt. base represented by the formula aLn₂O_x.bAl₂O₃.cCaO.dTiO₂ [where (a), (b), (c) and (d) show the molar ratio among the metal oxides, and are 0.056≤a≤0.214, 0.056≤b≤0.214, 0.286≤c≤0.500, 0.230<d<0.470, a+b+c+d=1 and 3≤x≤4].

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